

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415939

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-740-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7359 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

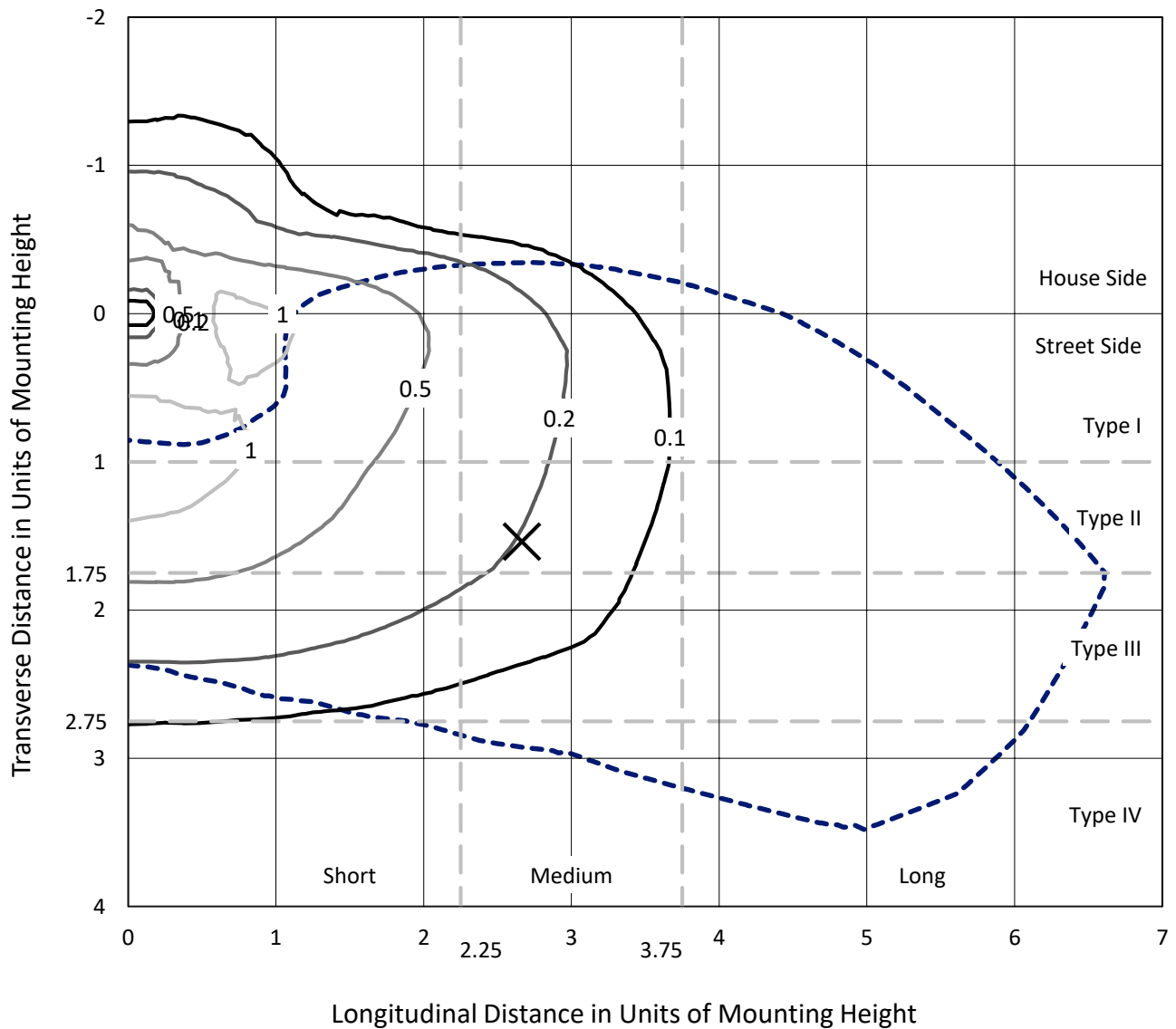
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

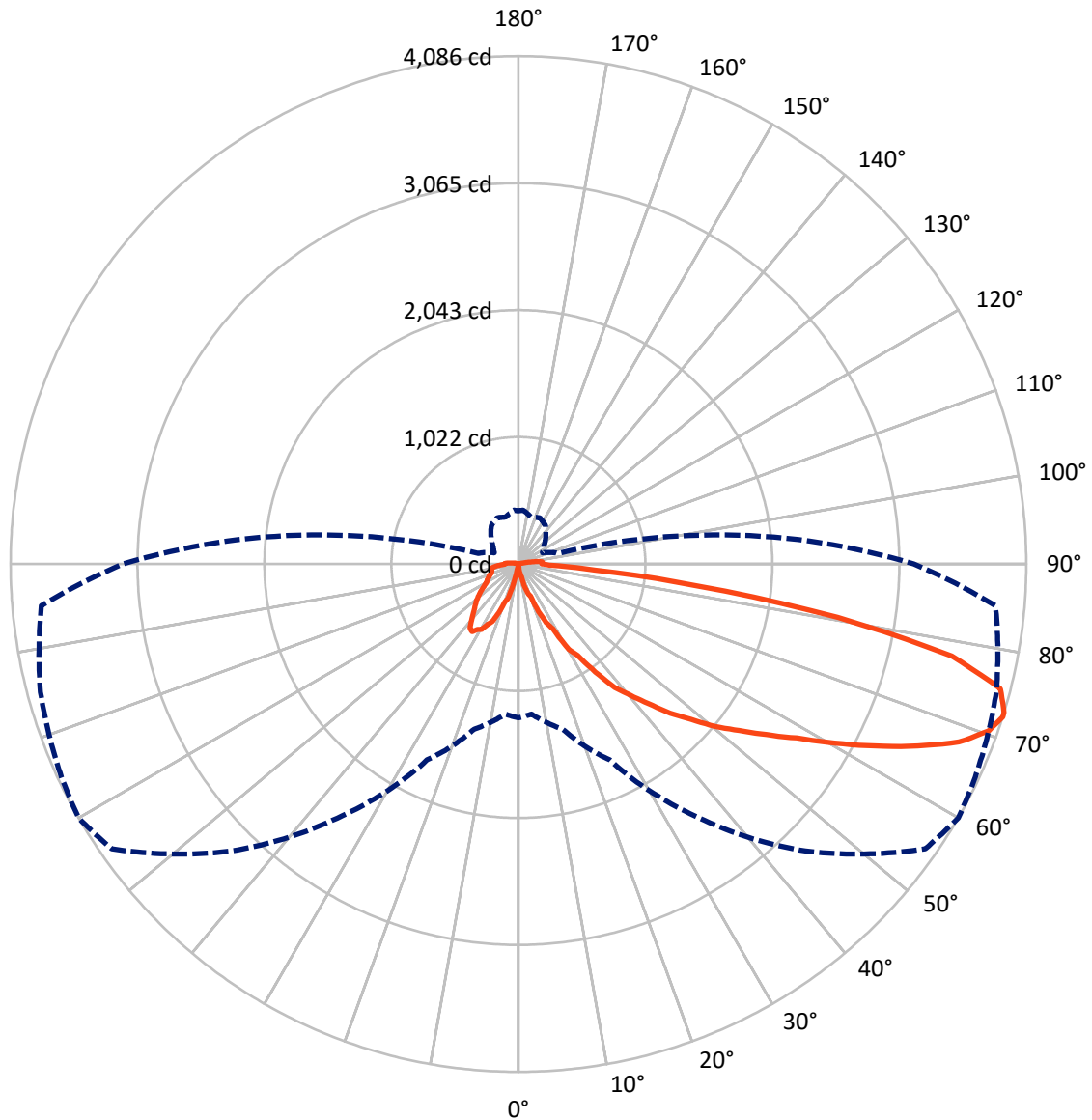
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



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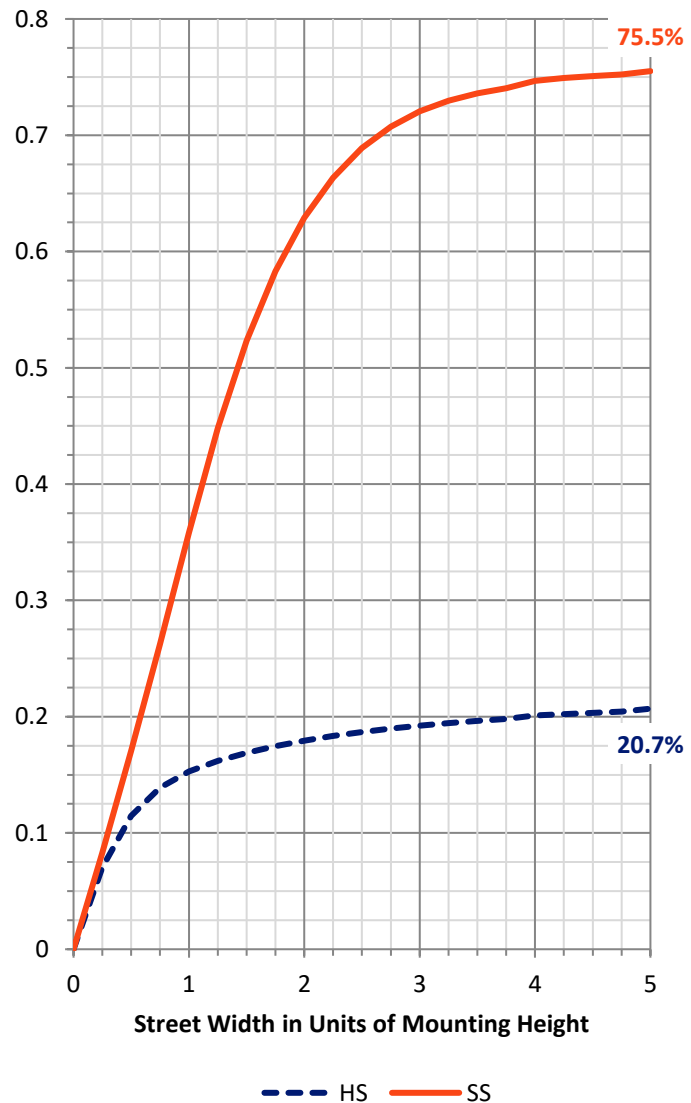
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1608.4	78.5	1686.8
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	5603.3	68.9	5672.2
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	7211.6	147.4	7359.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	60.2	0.8
20°-30°	250.9	3.4
30°-40°	579.6	7.9
40°-50°	1017.7	13.8
50°-60°	1538.2	20.9
60°-70°	1896.6	25.8
70°-80°	1464.3	19.9
80°-90°	400.1	5.4
90°-100°	108.6	1.5
100°-110°	18.8	0.3
110°-120°	7.3	0.1
120°-130°	5.2	0.1
130°-140°	3.5	0.0
140°-150°	2.8	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7211.6	98.0
0°-180°	7359.0	100.0



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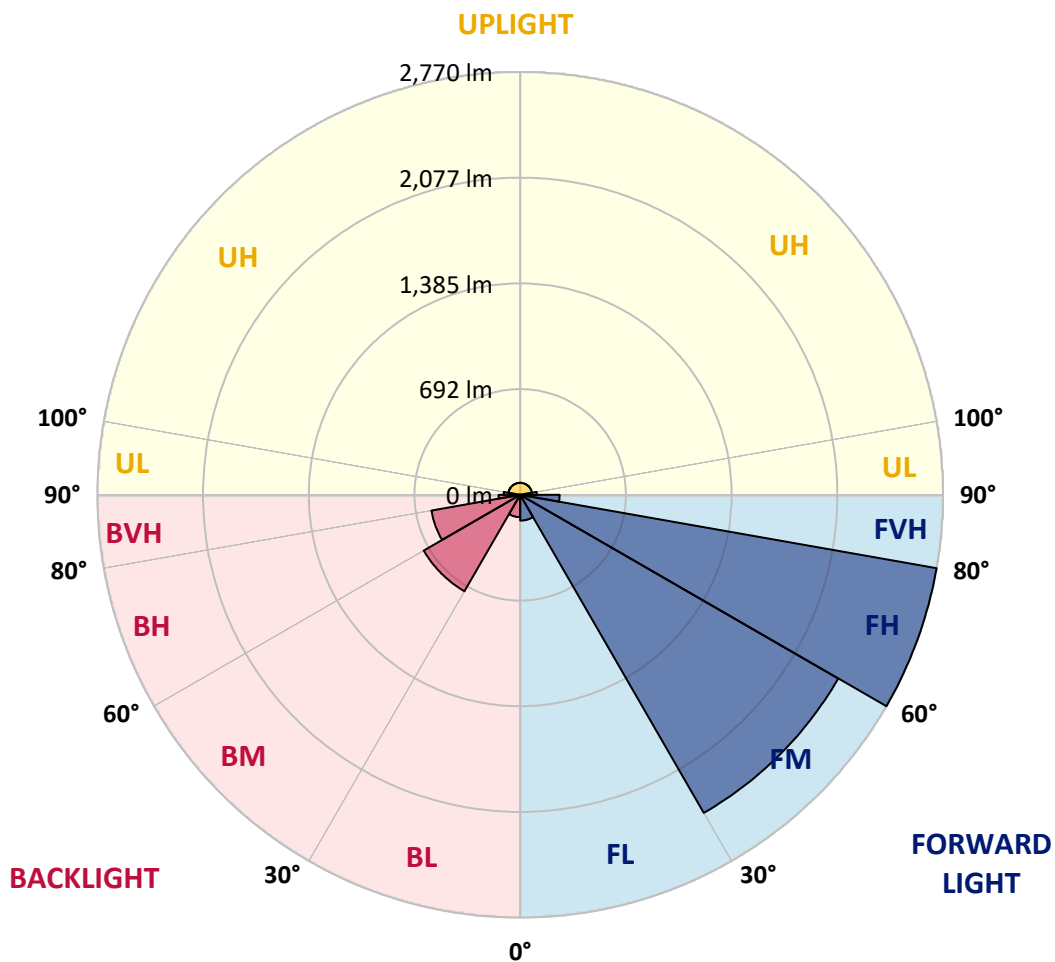
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-CL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.9	2.3			
FM (30°-60°)	2406.1	32.7			
FH (60°-80°)	2769.9	37.6			G2/5000
FVH (80°-90°)	258.4	3.5			G3/500
BL (0°-30°)	146.2	2.0	B1/500		
BM (30°-60°)	729.5	9.9	B1/1000		
BH (60°-80°)	591.0	8.0	B2/1000		G2/1000
BVH (80°-90°)	141.7	1.9			G2/225
UL (90°-100°)	108.6	1.5		U3/500	
UH (100°-180°)	78.5	1.1		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	9.8	9.0	8.2	8.2	9.0	8.2	7.3	6.5	5.7	5.7	4.9
5°	91.4	88.9	88.1	71.0	32.6	25.3	11.4	9.0	7.3	5.7	4.9
7.5°	101.2	100.3	99.5	99.5	97.9	93.0	53.0	26.1	14.7	7.3	6.5
10°	115.8	114.2	109.3	106.9	104.4	102.8	95.4	90.6	40.8	12.2	10.6
12.5°	206.4	203.1	198.2	146.8	125.6	110.9	108.5	104.4	90.6	37.5	75.9
15°	221.9	221.1	217.8	215.4	208.8	138.7	168.1	191.7	217.0	177.0	197.4
17.5°	279.0	270.8	249.6	237.4	233.3	254.5	243.1	247.2	247.2	238.2	226.0
20°	416.9	411.2	400.5	353.2	265.9	327.9	321.4	273.3	281.4	348.3	404.6
22.5°	502.5	496.8	474.8	444.6	438.9	364.7	379.3	414.4	424.2	488.7	487.8
25°	682.0	671.4	624.1	535.2	546.6	470.7	529.4	521.3	496.0	538.4	553.1
27.5°	832.9	823.9	801.1	756.2	633.9	658.3	602.0	591.4	659.2	778.3	775.8
30°	999.3	950.4	889.2	875.3	784.8	746.4	761.1	796.2	821.5	832.9	861.5
32.5°	1212.3	1206.5	1160.9	980.6	952.0	853.3	923.5	875.3	894.9	1059.7	1157.6
35°	1359.9	1374.6	1293.8	1186.1	1050.7	1048.3	1018.9	1067.0	1160.9	1183.7	1251.4
37.5°	1704.2	1708.3	1635.6	1328.1	1240.0	1155.1	1246.5	1259.6	1285.7	1324.8	1381.9
40°	1963.6	1926.9	1837.1	1608.7	1417.0	1324.8	1390.1	1388.5	1445.6	1517.4	1553.3
42.5°	2283.4	2242.6	2081.9	1823.3	1643.8	1541.8	1548.4	1534.5	1581.8	1695.2	1717.2
45°	2551.8	2533.8	2409.8	2137.4	1894.2	1771.9	1727.8	1710.7	1734.4	1877.1	1889.4
47.5°	2805.5	2757.3	2676.6	2400.9	2258.1	2035.4	1908.9	1868.1	1875.5	2037.8	2073.7
50°	3073.9	2993.1	2893.6	2651.3	2547.7	2366.6	2117.0	2053.3	2055.8	2205.9	2267.1
52.5°	3232.9	3104.9	3040.4	2839.7	2735.3	2644.8	2334.8	2224.6	2236.1	2378.0	2471.0
55°	3134.2	3095.9	3097.5	2977.6	2900.1	2794.1	2546.1	2422.9	2435.9	2602.3	2719.0
57.5°	2967.8	2997.2	3100.8	3095.9	3052.7	2949.1	2756.5	2641.5	2716.6	2856.1	2979.2
60°	2839.7	2873.2	3041.2	3127.7	3208.5	3132.6	2974.3	2924.6	2994.7	3116.3	3263.9
62.5°	2626.0	2652.9	2883.8	3112.2	3204.4	3289.2	3181.6	3226.4	3290.9	3393.7	3573.1
65°	2334.0	2327.4	2614.6	2970.3	3177.5	3376.5	3448.3	3530.7	3589.4	3699.6	3862.7
67.5°	1988.9	2021.5	2263.0	2664.3	3072.2	3420.6	3672.7	3823.6	3860.3	3902.7	4020.2
70°	1624.2	1622.6	1833.9	2260.5	2846.3	3396.1	3885.6	4016.1	4016.9	3991.6	4026.7
72°	1238.4	1212.3	1375.4	1739.3	2471.8	3264.8	3994.9	4086.3	4056.1	3981.0	3852.9
72.5°	1063.0	1086.6	1240.0	1638.1	2303.8	3199.5	4006.3	4085.4	4052.8	3970.4	3800.7
75°	539.2	505.0	592.3	877.8	1589.1	2585.2	3923.9	4005.5	3914.1	3811.3	3332.5
77.5°	211.3	217.0	251.3	379.3	773.4	1702.5	3387.1	3565.0	3506.2	3433.6	2628.5
80°	148.5	148.5	168.1	216.2	396.5	691.8	2347.0	2605.6	2696.2	2732.1	1758.0
82.5°	107.7	109.3	128.1	150.9	283.1	332.0	1152.7	1448.0	1590.8	1724.6	983.0
85°	100.3	100.3	102.8	101.2	202.3	236.6	419.3	618.4	714.6	837.8	397.3
87.5°	47.3	51.4	75.9	60.4	99.5	146.0	228.4	248.0	253.7	288.0	285.5
90°	31.0	31.0	25.3	26.1	48.9	118.3	183.6	187.6	180.3	211.3	265.9
92.5°	31.8	32.6	23.7	24.5	38.3	108.5	188.4	191.7	186.0	221.9	282.3
95°	29.4	29.4	20.4	21.2	30.2	83.2	188.4	191.7	175.4	221.1	282.3
97.5°	24.5	25.3	16.3	17.1	23.7	40.8	130.5	140.3	111.8	112.6	137.9
100°	21.2	21.2	13.1	13.9	17.1	18.8	66.1	69.3	62.0	27.7	18.8
102.5°	21.2	21.2	11.4	11.4	11.4	10.6	20.4	34.3	28.6	16.3	17.9
105°	20.4	21.2	10.6	9.0	9.0	8.2	10.6	13.1	13.1	13.1	18.8
107.5°	16.3	17.1	8.2	8.2	7.3	7.3	5.7	5.7	8.2	12.2	20.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.1	13.1	6.5	7.3	5.7	6.5	4.9	4.9	7.3	9.0	15.5
112.5°	7.3	7.3	4.9	5.7	4.9	5.7	4.9	4.9	5.7	7.3	9.8
115°	6.5	6.5	4.1	4.1	4.1	4.1	4.1	4.1	4.9	6.5	10.6
117.5°	6.5	6.5	4.1	4.1	4.1	3.3	3.3	4.1	4.1	6.5	10.6
120°	6.5	6.5	4.1	4.1	3.3	3.3	3.3	4.1	4.1	6.5	10.6
122.5°	7.3	6.5	4.1	3.3	3.3	3.3	3.3	3.3	4.1	5.7	10.6
125°	7.3	6.5	4.9	3.3	3.3	3.3	3.3	3.3	4.1	5.7	9.0
127.5°	7.3	7.3	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	8.2
130°	7.3	6.5	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	7.3
132.5°	6.5	6.5	4.9	3.3	4.1	3.3	3.3	3.3	3.3	4.1	5.7
135°	5.7	5.7	4.1	4.1	4.1	3.3	3.3	3.3	3.3	3.3	4.9
137.5°	5.7	5.7	4.9	4.1	4.1	4.1	3.3	3.3	3.3	3.3	4.1
140°	5.7	5.7	4.9	4.9	4.9	4.1	3.3	3.3	3.3	4.1	4.1
142.5°	6.5	6.5	5.7	4.9	4.9	4.1	3.3	3.3	4.1	4.1	4.1
145°	7.3	7.3	6.5	5.7	4.9	3.3	3.3	4.1	4.1	4.1	4.9
147.5°	7.3	7.3	6.5	4.9	4.1	3.3	3.3	4.1	4.1	4.9	4.9
150°	6.5	6.5	5.7	4.1	3.3	2.4	3.3	3.3	4.1	4.9	4.9
152.5°	4.9	4.9	4.1	3.3	2.4	1.6	2.4	3.3	3.3	4.1	4.9
155°	3.3	3.3	2.4	1.6	1.6	1.6	2.4	2.4	2.4	3.3	4.1
157.5°	1.6	1.6	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	3.3
160°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	4.9	4.9	4.9	4.9	4.9	4.9	5.7	5.7	5.7	6.5	7.3
5°	4.9	4.9	4.9	4.9	5.7	6.5	7.3	8.2	9.0	9.8	9.8
7.5°	5.7	5.7	5.7	6.5	7.3	9.0	20.4	71.8	97.9	106.9	104.4
10°	10.6	10.6	9.8	9.8	11.4	95.4	121.6	132.2	137.9	144.4	144.4
12.5°	84.8	97.9	35.1	19.6	94.6	133.8	143.6	150.9	155.8	162.3	162.3
15°	204.8	208.0	213.7	192.5	186.0	151.7	158.3	214.6	282.3	300.2	301.8
17.5°	230.1	234.1	238.2	282.3	300.2	232.5	267.6	301.0	307.6	314.1	314.1
20°	438.9	445.4	361.4	323.9	316.5	394.0	302.7	310.8	322.2	380.2	385.9
22.5°	497.6	501.7	469.9	490.3	358.9	412.0	398.1	398.1	445.4	448.7	449.5
25°	558.0	580.8	520.5	504.2	510.7	416.9	469.9	424.2	430.7	435.6	436.4
27.5°	814.2	810.9	761.9	576.8	512.3	505.0	456.0	418.5	489.5	508.2	509.0
30°	865.5	857.4	813.3	675.5	531.9	500.1	429.9	483.8	470.7	473.2	474.0
32.5°	1190.2	1177.2	1052.4	683.6	555.5	461.7	466.6	450.3	451.9	502.5	504.2
35°	1271.8	1253.9	1078.5	790.5	529.4	468.3	431.5	451.9	460.1	457.7	457.7
37.5°	1381.1	1346.9	1070.3	743.2	550.7	438.1	412.8	426.7	421.8	452.8	451.1
40°	1500.2	1452.1	1074.4	689.3	499.3	411.2	395.7	407.9	404.6	395.7	389.1
42.5°	1652.0	1568.8	1073.6	644.5	451.9	402.2	373.6	372.8	358.9	344.3	339.4
45°	1807.0	1691.9	1076.8	593.1	416.0	394.8	361.4	341.8	329.6	314.1	310.0
47.5°	1976.6	1823.3	1086.6	552.3	388.3	372.8	345.9	322.2	313.3	293.7	292.1
50°	2177.3	1961.1	1089.9	519.7	355.7	353.2	334.5	308.4	294.5	274.9	273.3
52.5°	2393.5	2107.2	1095.6	471.5	330.4	345.9	341.0	305.1	299.4	274.1	272.5
55°	2598.3	2245.9	1094.0	413.6	319.0	339.4	341.0	326.3	317.3	275.7	272.5
57.5°	2844.6	2396.0	1069.5	359.8	301.0	329.6	357.3	345.1	335.3	301.0	294.5
60°	3064.9	2551.0	996.9	318.2	285.5	319.0	371.2	358.9	331.2	309.2	302.7
62.5°	3322.7	2684.7	895.7	288.0	279.8	322.2	376.1	367.9	333.7	326.3	323.9
65°	3497.3	2735.3	742.4	263.5	279.0	322.2	374.4	376.1	351.6	358.9	358.1
67.5°	3518.5	2670.1	562.9	244.7	269.2	322.2	372.0	392.4	367.9	398.1	399.7
70°	3416.5	2506.9	410.3	226.0	258.6	318.2	372.8	403.0	380.2	427.5	424.2
72°	3181.6	2259.7	332.0	213.7	249.6	311.6	378.5	408.7	390.8	434.8	427.5
72.5°	3120.4	2183.9	317.3	212.1	248.0	310.8	380.2	410.3	391.6	442.2	433.2
75°	2611.3	1739.3	272.5	199.9	250.4	306.7	388.3	409.5	396.5	447.0	448.7
77.5°	1978.3	1172.3	241.5	189.3	249.6	299.4	385.9	403.0	389.1	429.9	438.9
80°	1224.5	682.0	214.6	188.4	248.0	296.1	375.3	385.9	368.7	401.4	403.8
82.5°	669.8	398.9	186.0	185.2	240.7	287.2	354.9	366.3	350.0	385.9	360.6
85°	342.6	270.8	139.5	151.7	210.5	270.0	331.2	330.4	314.1	327.1	309.2
87.5°	264.3	212.9	90.6	109.3	172.1	222.7	272.5	270.0	248.8	250.4	243.1
90°	243.1	190.1	59.6	77.5	143.6	159.9	189.3	181.9	167.2	170.5	168.1
92.5°	244.7	187.6	57.1	82.4	137.9	143.6	173.8	164.8	150.1	151.7	146.8
95°	239.0	180.3	57.1	72.6	114.2	102.0	124.8	121.6	109.3	103.6	101.2
97.5°	114.2	89.7	53.0	53.8	64.4	55.5	75.9	81.6	65.3	52.2	52.2
100°	19.6	30.2	46.5	54.7	46.5	35.1	48.1	55.5	37.5	17.1	18.8
102.5°	19.6	18.8	35.9	46.5	33.4	18.8	27.7	36.7	23.7	13.1	13.9
105°	21.2	19.6	17.1	31.8	19.6	9.8	10.6	18.8	13.1	13.1	13.1
107.5°	22.8	21.2	12.2	12.2	9.8	9.0	8.2	7.3	9.0	13.1	13.9



REPORT NUMBER: P415939

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.1	17.1	11.4	9.8	9.0	9.0	6.5	6.5	9.0	13.9	13.9
112.5°	12.2	12.2	9.8	8.2	7.3	9.0	6.5	6.5	8.2	13.9	14.7
115°	12.2	12.2	9.0	7.3	6.5	7.3	6.5	5.7	8.2	13.9	14.7
117.5°	12.2	12.2	9.0	6.5	5.7	5.7	4.9	5.7	8.2	13.9	14.7
120°	12.2	12.2	9.0	6.5	5.7	4.9	4.9	4.9	8.2	13.9	14.7
122.5°	11.4	11.4	8.2	5.7	4.9	4.1	4.1	4.9	7.3	13.1	13.9
125°	10.6	10.6	7.3	5.7	4.9	4.1	4.1	4.1	7.3	12.2	13.1
127.5°	9.8	9.8	7.3	4.9	4.1	4.1	4.1	4.1	6.5	11.4	12.2
130°	8.2	8.2	6.5	4.9	4.1	3.3	4.1	4.1	6.5	10.6	10.6
132.5°	6.5	6.5	4.9	4.1	4.1	3.3	3.3	4.1	5.7	9.0	9.8
135°	4.9	4.9	4.9	4.1	4.1	3.3	3.3	3.3	4.9	7.3	8.2
137.5°	4.1	4.9	4.1	4.1	4.1	3.3	3.3	3.3	4.9	6.5	6.5
140°	4.1	4.1	4.1	4.1	4.1	3.3	3.3	3.3	4.9	5.7	6.5
142.5°	4.1	4.9	4.1	4.1	4.1	3.3	3.3	4.1	4.9	6.5	6.5
145°	4.9	4.9	4.9	4.1	4.1	2.4	2.4	4.1	4.9	6.5	6.5
147.5°	4.9	4.9	4.9	4.1	3.3	2.4	2.4	3.3	4.9	6.5	6.5
150°	4.9	4.9	4.9	4.1	3.3	1.6	1.6	3.3	4.1	5.7	6.5
152.5°	4.9	4.9	4.1	4.1	2.4	1.6	0.8	2.4	3.3	4.9	4.9
155°	4.1	4.1	4.1	3.3	2.4	0.8	0.0	0.8	2.4	4.1	4.1
157.5°	3.3	3.3	3.3	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)